

Patent claims:

1. A method for measuring pressure of a container (1) filled with a medium (M), wherein during a filling or
5 emptying process with the aid of a pressure value (Ps) determined by means of a pressure sensor (6) depending on a switching state (8) of a valve (4) provided for filling or emptying the container (1) a corrected internal value (P_{corr}) is determined.
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2. A method according to claim 1, wherein during filling or emptying of the container (1) depending on the corresponding switching state (8) of the valve (4) the pressure value (Ps) measured by the pressure sensor (6) is actuated with at least one predetermined or capable of being predetermined parameter (a₁, a₂, b₁, b₂) characterizing the filling or emptying of the container (1).
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3. A method according to claim 1 or 2, wherein at the beginning or at the end of filling or emptying of the container (1) depending on the corresponding switching state (8) of the valve (4) the pressure value (Ps)
25 measured by the pressure sensor (6) is filtered.
4. A method according to claim 3, wherein the pressure value (Ps) measured by the pressure sensor (6) is filtered after the beginning or the end of filling or emptying for
30 the period of a predetermined or capable of being predetermined period of time.
5. A method according to claim 1, wherein in a switching state of the valve (4), in which the container (1) is
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neither filled nor emptied, the pressure value (Ps) measured by the pressure sensor (6) is processed unchanged.

- 5 6. A method according to one of the preceding claims, wherein the pressure value (Ps) is continuously determined by means of the pressure sensor (6) during the filling or emptying process of the container (1).
- 10 7. A device for measuring pressure of a container (1) filled with a medium (M), with at least one pressure sensor (6) for determining a pressure value (Ps) during a filling or emptying process and with a control unit (5) for determining a switching state (8) of a valve (4) provided for filling or emptying the container (1), wherein by means of the control unit (5) with the aid of the pressure value (Ps) depending on the switching state (8) of the valve (4) a corrected internal value (P_{corr}) can be determined.
- 15 8. A device according to claim 7, wherein during filling or emptying of the container (1) depending on the corresponding switching state (8) of the valve (4) by means of the control unit (5) the pressure value (Ps) measured by the pressure sensor (6) can be corrected on the basis of at least one predetermined or capable of being predetermined parameter (a₁, a₂, b₁, b₂) characterizing the filling or emptying of the container (1).
- 20 9. A device according to claim 7 or 8, wherein a filter (F) for filtering the pressure value (Ps) measured by the pressure sensor (6) is provided at the beginning or at the
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end of filling or emptying of the container (1) depending on the corresponding switching state (8) of the valve (4).

10. A device according to claim 9, wherein the filter (F)
5 is embodied as a low-pass filter.

11. A device according to claim 10, wherein in a switching state (8) of the valve (4), which neither causes filling nor emptying of the container (1), depending on the
10 corresponding switching state (8) of the valve (4) a direct processing of the pressure value (Ps) measured by the pressure sensor (6) is provided.

15 12. A device according to one of the claims 8 to 11,
wherein a counter is provided.

13. A device according to one of the claims 8 to 12,
wherein the pressure sensor (6) for measuring the pressure
20 value (Ps) is arranged in the region of the hose line (3) provided for filling and/or emptying the container (1).

14. A device according to one of the claims 8 to 13,
wherein the container (1) is an air bag in a seat of a
25 motor vehicle.